Index of Claims

| Application No. | Applicant(s)   |  |
|-----------------|----------------|--|
| 09/697,822      | RYAN, RONALD D |  |
| Examiner        | Art Unit       |  |
|                 | {              |  |

Chirag G. Shah

2616

| 1 | Rejected |
|---|----------|
| = | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

|   | N | Non-Elected  |
|---|---|--------------|
| - | - | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

|  | 10 | im       | Date     |        |        |          |          |              |              |  |                 |
|--|----|----------|----------|--------|--------|----------|----------|--------------|--------------|--|-----------------|
| ــــــــــــــــــــــــــــــــــــــ | id | 1131     |          |        |        |          |          |              |              |  |                 |
| _                                      | 1  | ā        | 2        | 2      | 9      | يوا      | 40,      |              |              |  | ıİ              |
| Final                                  | 1  | Original | 2/14/05  | 8/8/05 | 90/9/9 | 9/11/06  | 1        |              |              |  | .               |
| i ii                                   | ı  | Ö        | 21       | 8      | 9      | 16       | 3/       |              |              |  | i               |
|  | ╝  |          |          |        |        |          |          |              |              |  |                 |
|  | V  | 1        | 1        | 7      | 7      | 7        | ll       |              |              |  |                 |
| П                                      | ٦  | 2        | 7        | 1      | 1      | 1        | И        |              |              |  |                 |
| П                                      | ٦  | 3        | 7        | 7      | 1      | 7        | 11       |              |              |  | $\neg$          |
| $\Box$                                 | ٦  | 4        | 1        | 1      | 1      | 1        | _        |              |              |  | $\neg$          |
| $\Box$                                 | 7  | 5        | 7        | 7      | 1      | 1        | _        |              |              |  | $\neg$          |
| $\vdash$                               | ┪  | 6        | 1        | 1      | V      | 1        | =        | _            |              |  | $\neg$          |
| $\vdash$                               | ┪  | 7        | Ì        | 1      | Ť      | 1        |          | -            | -            | -  | $\dashv$        |
| <del></del>                            | ┪  | 8        | Ť        | Ì      | Ť      | 1        | =        | _            |              | Н  | $\dashv$        |
| $\vdash \vdash$                        | ┥  | 9        | 1        | i      | 1      | 1        | =        | _            | -            | Н  | $\dashv$        |
| $\vdash$                               | ┥  | 10       | 1        | Ť      | 7      | Ì        | =        |              |              | -  | -               |
| ${f H}$                                | 4  |          |          |        |        |          | E        | <u> </u>     | -            | -  |                 |
| ₩                                      | 4  | 11       | 1        | 7      | 1      | 1        | 三        | <b></b>      | <b>-</b>     |  |                 |
| $\vdash$                               | _  | 12<br>13 | 7        | 7      | V      | 1        | Ξ        | L.           |              | Ш  | Ц               |
| $\sqcup$                               | _  |          | 7        | 7      | V      | V        | Ξ        |              | L            | _  |                 |
| Ľ                                      |    | 14       | 7        | 7      | 1      | 1        | 三        |              |              |  |                 |
| حياً.                                  | J  | 15       | 1        | 1      | ٧      | 1        | =        |              |              |  |                 |
| 1                                      | 7  | 16       | 1        | 1      | 1      | 1        | =        |              |              |  |                 |
| 12                                     | -  | 17       | 1        | 1      | 1      | 1        | =        |              |              |  |                 |
| 1                                      |    | 18       | 1        | 1      | 1      | 1        | _        | Т            |              |  | $\neg$          |
| 1                                      | 5  | 19       | 1        | 1      | 1      | 1        | =        |              | <u> </u>     |  | Н               |
| 1                                      | H  | 20       | Ì        | Ì      | Ì      | 1        | =        | _            | _            | <del>                                     </del> | Н               |
|  | П  | 21       | Ì        | Ì      | V      | V        | 三        | -            | -            | -  | Н               |
| -                                      | Н  | 22       | 1        | j      | V      | 1        | Ē        | ┢            | -            |  | Н               |
| <del> </del> -                         | Н  | 23       | 1        | Ť      | Ť      | Ì        | Ξ        | -            | -            | -  | $\vdash \vdash$ |
| Н                                      | Н  | 23       | 1        | 1      | 7      | 1        | Ξ        |              | -            | -  | Н               |
| $\vdash$                               | Н  | 24       | 1        | 1      | V      | 1        | 三        | ├-           | ⊢            |  | Н               |
| -                                      | Н  | 25       |          |        |        |          | 15       | <u> </u>     | <u> </u>     | _  |                 |
|  | Ц  | 26       | 1        | V      | V      | 1        | =        | <u> </u>     | ļ_           | <u> </u>   | $\square$       |
|  | L  | 27       | 1        | V      | 1      | V        | Ξ        | L            | _            | <u> </u>   | Ш               |
|  | L  | 28       | 1        | 1      | V      | V        | ΙΞ       |              | _            | _  | Ш               |
|  |    | 29       | 1        | V      | V      | 1        | =        | L            | L            | L  | Ш               |
|  |    | 30       | 1        | 1      | 1      | 1        | =        | Ĺ            |              | Ĺ  |                 |
|  |    | 31       | 1        | 1      | V      | V        | =        |              |              |  |                 |
| $\Box$                                 |    | 32       | 1        | 1      | 1      | 1        | =        | T            |              |  |                 |
| П                                      | Г  | 33       | 1        | 1      | V      | 1        | Ξ        |              |              | Γ  |                 |
|  | Г  | 34       | 1        | 1      | 1      | 1        | =        | T            |              |  | П               |
| $\Box$                                 | _  | 35       | 1        | 1      | V      | 1        | ΙΞ       |              |              | 1  | П               |
| $\vdash$                               | -  | 36       | i        | V      | i      | V        | 1=       | 1            | $\vdash$     | $\vdash$   | H               |
| H                                      | -  | 37       | ゖ        | 1      | 1      | 1        | =        | $\vdash$     | t            | ⇈  | H               |
| $\vdash$                               | ┝  | 38       | 1        | Ì      | Ť      | ١ż       | tf       | <del> </del> | $\vdash$     | ╁╌   | Н               |
| $\vdash$                               | H  | 39       | 1        | Ì      | Ť      | i        | ΗΞ       | ├            |              | ├  | ┢╼┤             |
| $\vdash$                               | μ. | 40       | 1        | 1      | V      | 1        | 1        | 1-           | ⊢            | ╁  | Н               |
| $\vdash$                               | -  | 40       |          | 7      |        | 1        | ᆖ        | -            |              | ├  | Н               |
| $\mathbb{H}$                           | _  | 41       | 1        |        | ٧      |          | 1=       | -            | ₩            | -  |                 |
| $\vdash$                               | _  | 42       | ٧        | 1      | ٧      | ٧        | 13       | 1_           | <del> </del> | <del> </del>                                     | $\vdash$        |
| <u></u>                                | _  | 43       | <b>!</b> | ļ      | ┞_     | <u> </u> | <b> </b> | $\vdash$     | <b>_</b>     | <b>!</b>   | Ш               |
| _                                      |    | 44       | 上        | ļ      | 乚      | 1_       |          | <u> </u>     | 乚            | L.   | Ш               |
|  | _  | 45       | L        | L      | L      |          | L        | Ľ            | L            |  |                 |
|  | _  | 46       |          |        |        |          |          |              |              |  |                 |
|  | _  | 47       |          |        |        |          |          |              |              |  | П               |
|  | _  | 48       | Τ        |        | T      | Т        | Τ        | Γ            | Г            | Π  | П               |
|  | _  | 49       | 1        |        | 1      | 1        | $\top$   | 1            | 1            |  | П               |
|  |    | 50       |          | Т      | Т      |          |          |              | $\vdash$     | 1  | $\vdash$        |

| Cla   | Date     |  |  |                |  |  |  |          |  |   |
|---|----------|--|--|----------------|--|--|--|----------|--|---|
|   |          |  |  |                |  |  |  |          |  |   |
| ज   | Original |  |  |                |  |  |  | 1        |  |   |
| Final   | įį       |  |  |                |  |  |  |          |  |   |
| ۳ ا   | ō        |  |  |                |  |  |  |          |  |   |
| <u> </u>  |          | _  |  | -              | _  | -  | _  |          | _  |   |
|   | 51       |  | Ш  | _              |  | _  | _  |          |  | Ш                                       |
| $ldsymbol{le}}}}}}$ | 52<br>53 |  | Ш  |                |  |  |  |          |  |   |
|   | 53       |  |  |                |  |  |  |          |  |   |
| <u></u>   | 54       |  |  |                |  |  |  |          |  |   |
|   | 55       |  |  |                |  |  |  |          |  |   |
|   | 56       |  |  |                |  |  |  |          |  |   |
|   | 57       |  |  |                |  |  |  |          |  |   |
|   | 58       |  |  |                |  |  |  |          |  |   |
|   | 59       |  |  |                | _  |  |  |          |  |   |
|   | 60       |  |  | Г              |  |  |  |          |  | П                                       |
| $\vdash$  | 61       | $\vdash$   | $\vdash$   | $\vdash$       | Г  |  | П  |          |  | -                                       |
| <u> </u>  | 62       | $\vdash$   | <del>                                     </del> | _              | Н  |  | Н  | _        | -  | Н                                       |
|   | 63       | <del>                                     </del> | $\vdash$   | $\vdash$       | $\vdash$   | Н  | Н  |          | -  | Н                                       |
|   | 64       | $\vdash$   | $\vdash$   | $\vdash$       | $\vdash$   | $\vdash$   | Н  |          |  |   |
| -   | 65       | -  | $\vdash$   | $\vdash$       | $\vdash$   | $\vdash$   | ļ. —   |          | _  | Н                                       |
|   | 65       | -  |  | <del>  -</del> | ├  | -  | <del>                                     </del> | _        | -  |   |
|   | 66       | <u> </u>   | $\vdash$   | ├              | ├  | ⊢  | Щ  | -        | Ь.   | Н                                       |
|   | 67       | <u> </u>   | ļ  | <u> </u>       | ļ.,  | _  | _  | _        | _  | L.                                      |
|   | 68       | _  | ᆫ  | <u> </u>       | _  |  |  | _        | <u> </u>   | _                                       |
|   | 69       | _  | _  | _              |  | _  | _  | _        | <u> </u>   | $oxed{oxed}$                            |
|   | 70       | L  | <u> </u>   | L              | L  |  |  | _        | _  |   |
|   | 71       |  |  | L              | <u> </u>   | L  | L  | L        |  |   |
| <u></u>   | 72       | Ŀ  |  | L              |  |  |  |          |  | L                                       |
|   | 73       |  | [  |                |  | Ľ.   |  |          |  |   |
|   | 74       | I  |  | Ι              |  |  |  |          |  |   |
|   | 75       |  |  |                |  |  |  | l        |  |   |
|   | 76       |  |  |                |  |  |  |          |  |   |
|   | 77       | Г  | Г  | Г              | Γ  | Ι  |  |          |  |   |
|   | 78       | $\Box$   | П  |                |  |  |  |          |  |   |
|   | 79       | 1  | Г  |                | 1  | <u> </u>   |  |          | Т  |   |
|   | 80       | ┰  | 1  | ┪              | _  | <del>                                     </del> | ┢  |          |  | 1                                       |
| <b>—</b>  | 81       | 1  | t-   | $\vdash$       | <del>                                     </del>   | _  | $\vdash$   | ┪        | _  | ┢                                       |
|   | 82       | $\vdash$   | $\vdash$   | <del> </del>   | <del> </del>   |  | -  |          | ┪  | T                                       |
| $\vdash$  | 83       | ┢  | -  | -              | ╌  | ├─   | Н  | -        | ┢  | ⊢                                       |
|   | 84       | ╁  | $\vdash$   | $\vdash$       | $\vdash$   | $\vdash$   | $\vdash$   |          | ┢  | ┢                                       |
| $\vdash$  | 85       | ╁  | -  | ├              | ╌  | -  | -  | -        | -  | ┢                                       |
|   | 85<br>86 | ╁  | ┼  | -              | <del> </del>   | <del> </del>                                     | -  | $\vdash$ |  | $\vdash$                                |
| <del></del>   | 87       | $\vdash$   | 1  | +              | 1  | -  | $\vdash$   | $\vdash$ | <del>                                     </del> | ╁                                       |
| -   | 88       | ├  | ╌  | ╁              | ╁  | <del> </del>                                     | -  | $\vdash$ | -  | <del> </del>                            |
| <b>—</b>  | 00       | ╁  | ⊢  | ┢              | ╁  | ├-   | ├-   |          | ├-   | ⊢                                       |
| <u> </u>  | 89       | ├  | ├  | ├              | ₩  | -  | -  | $\vdash$ | $\vdash$   | $\vdash$                                |
|   | 90       | <del> </del>                                     |  | ├              | ├—   | ⊢  | $\vdash$   | -        |  | ├                                       |
|   | 91       | ┡  | ⊢  | ├-             | ļ  | <del> </del>                                     | ┞-   | <u> </u> |  | ╄                                       |
| <u></u>   | 92       | <b>!</b>   | <b>!</b>   | ┡              | ⊢  | $\vdash$   | -  | ┡        | <b>├</b>   | ├-                                      |
| <u></u>   | 93       | <b> </b> _                                       | ↓_   | <u> </u>       | ļ  | <del> </del>                                     | <u> </u>   | <u> </u> | L.   | ļ                                       |
|   | 94       | <b>_</b>   | ┞-   | 1_             | 上  | <u> </u>   | <u> </u>   |          | <u> </u>   | ļ                                       |
|   | 95       | L  | L  |                | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | $\sqcup$   |  | L        | Ĺ  | ـــــــــــــــــــــــــــــــــــــــ |
|   | 96       | L  |  | $L^{-}$        |  |  |  |          |  | L                                       |
|   | 97       |  |  | Г              |  |  | L  |          |  |   |
|   | 98       | Γ  | Ι  |                |  |  |  |          |  | Γ                                       |
|   | 99       | Ι¨   |  | $\Gamma$       |  | Γ  |  |          |  |   |
|   | 100      | Т  | T  | 1              | 1  | T  | 1  | Г        | Т  | Г                                       |

| CI       | aim               | Date         |  |            |              |              |              |          |              |           |
|----------|-------------------|--------------|--|------------|--------------|--------------|--------------|----------|--------------|-----------|
| <u> </u> |                   |              |  |            |              |              |              |          |              | $\neg$    |
| Final    | Original          |              |  |            |              |              |              |          |              |           |
|          | 101               |              |  |            |              |              |              |          |              |           |
|          | 102               |              |  |            |              |              |              |          |              |           |
|          | 103               |              |  |            |              |              |              |          |              | $\neg$    |
| -        | 104               |              |  |            |              |              |              |          |              |           |
|          | 105               |              |  |            |              |              |              |          |              | $\neg$    |
|          | 106               |              |  |            |              |              |              |          |              | $\neg$    |
|          | 107               |              |  |            |              |              |              |          |              |           |
|          | 108               |              |  |            |              |              |              |          |              | $\Box$    |
|          | 109               |              |  |            |              |              |              |          |              |           |
|          | 110               |              |  |            |              |              |              |          |              |           |
|          | 111               |              |  |            |              |              |              |          |              | _         |
| <u></u>  | 112               |              |  | Ш          |              |              |              |          |              | $\square$ |
| <u></u>  | 113               | L            |  | Ш          | Щ            | Ш            | Щ            |          |              | $\sqcup$  |
|          | 114               | $oxed{oxed}$ | L  |            |              |              |              |          |              | Ш         |
|          | 115               | _            | <u>_</u>   | Ш          | _            |              |              |          |              |           |
|          | 116               |              | L_   | Ш          |              |              |              |          | _            | _         |
| <u> </u> | 117               |              | <u></u>  |            |              |              | L            | _        |              | Ш         |
|          | 118               | L            | _  | _          |              |              | L.           | L        | _            |           |
|          | 119               | _            | _  | ļ_         | _            | Ш            | <u> </u>     | _        | -            | $\square$ |
|          | 120<br>121        |              | ┞  | <u> </u>   |              | _            | -            |          | <u> </u>     | $\vdash$  |
|          | 121               | <u> </u>     | <u> </u>   | <b>!</b> — | <u> </u>     | ļ            |              | _        |              |           |
| $\vdash$ | 122               | <u> </u>     | _  |            | ┞            | ⊢            | -            | -        | ⊢            |           |
| <u> </u> | 123               | ⊢            | -  | _          | ├            | -            | <u> </u>     | ┝        |              | -         |
|          | 124<br>125        | -            | ├  | -          | ┝            | H            | ⊢            | ⊢        | ⊢            |           |
|          | 125               | -            | $\vdash$   | ⊢          | <del> </del> | ┝            | <del> </del> |          | <del> </del> | ╌┤        |
|          | 126<br>127<br>128 | ├            |  | -          | <del> </del> | <del> </del> | -            | <u> </u> | -            | $\vdash$  |
|          | 120               | -            | ⊢  | $\vdash$   | ├-           |              | -            |          | -            | Н         |
|          | 129               | ⊢            | ⊢  | -          | -            |              |              |          | ⊢            | Н         |
|          | 130               | -            | <del> </del>                                     |            | -            | -            | -            |          | -            | Н         |
|          | 131               | -            |  | -          |              | -            | -            |          | ┢            | Н         |
| <u> </u> | 132               |              | ┢  | ┢          | $\vdash$     | -            | -            | $\vdash$ | -            | Н         |
|          | 133               | -            | <del>                                     </del> | -          | ┢            | _            | $\vdash$     | $\vdash$ |              | Н         |
| $\vdash$ | 132<br>133<br>134 | 1            | <del>                                     </del> | $\vdash$   | T            |              | $\vdash$     | Г        | Т            | М         |
|          | 135               |              |  | $\vdash$   |              |              |              | T -      |              | П         |
|          | 135<br>136        | Г            | Π  | Г          |              |              |              |          |              |           |
|          | 137               |              |  |            |              |              |              |          |              |           |
|          | 138               |              |  | L          |              |              |              |          |              |           |
|          | 139               |              |  |            |              |              |              |          |              |           |
|          | 140               |              |  |            |              |              |              |          |              |           |
|          | 141               |              |  |            |              |              | $\Box$       |          |              |           |
|          | 142               |              |  |            |              | 匚            |              |          |              |           |
|          | 143               |              | 匚  |            |              |              |              | 匚        | Ĺ            |           |
|          | 144               |              |  | Ĺ          |              |              |              | 匚        |              | $\Box$    |
|          | 145               | 匚            |  |            | Ĺ            |              |              | L        |              |           |
|          | 146               |              | $\Box$   |            | $\Box$       |              |              |          |              |           |
|          | 147               | $\Box$       |  |            |              | $\vdash$     |              |          |              | $\Box$    |
| L        | 148               | <u> </u>     | L  | <u> </u>   | _            | 匚            | <u> </u>     | L        | <u> </u>     |           |
| <u></u>  | 149               | 1            | 1  | L          | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u> | ļ            | Щ         |
|          | 150               | 1_           | 丄  | <u>L</u>   | Ц.           | 1_           | <u> </u>     | <u></u>  |              | Ш         |